

ABSTRACT OF THE DISCLOSURE

In a transmission power control apparatus for measuring SIR, which is a ratio of a receive signal to an interference signal, and controlling transmission power of a mobile station in such a manner that the measured SIR will agree with a target SIR, a fading detector detects the rate of change in fading, a correction unit corrects the target SIR based upon the rate of change in fading, and a transmission power control command creation unit creates a command for controlling transmission power of the mobile station in such a manner that the measured SIR will agree with the corrected target SIR, and transmits this command.

Further, a searcher detects multipath and the levels of signals that arrive via respective ones of the paths, a level-difference calculation unit calculates level differences between the paths, a correction unit corrects the target SIR based upon the level differences between the paths, and a transmission power control command creation unit creates a command for controlling transmission power of the mobile station in such a manner that the measured SIR will agree with the corrected target SIR, and transmits this command.

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In a transmission power control apparatus for measuring SIR, which is a ratio of a receive signal to an interference signal, and controlling transmission power of a mobile station in such a manner that the measured SIR will agree with a target SIR, a searcher detects multipath and the levels of signals that arrive via respective ones of the paths, a level-difference calculation unit calculates level differences between the paths, a correction unit corrects the target SIR based upon the level difference between the paths, and a transmission power control command creation unit creates a command for control transmission power of the mobile station in such a manner that the measured SIR will agree with the corrected target SIR, and transmits this command.--